## CURRENTLY PENDING CLAIMS

The listing of claims below replace all prior versions, and listings, of claims:

1 (Original) Apparatus for use in a telephony system, comprising: 1. 2 a digital interface for communicating with a stimulus device; 3 a packet interface for communicating with a packet-based network; and 4 a controller to receive stimulus control information from the digital interface and to encapsulate the stimulus control information into one or more packets for transmission over 5 the packet-based network through the packet interface. 6 1 (Original) The apparatus of claim 1, wherein the controller encapsulates the 2. stimulus control information into an Internet Protocol packet. 2 1 3. (Original) The apparatus of claim 1, wherein the digital interface includes a 2 UART interface. 1 (Original) The apparatus of claim 1, wherein the digital interface includes a time 4. 2 compression multiplex interface. 1 (Original) The apparatus of claim 1, wherein the controller adds a destination 5. address of a telephone switch system into the one or more packets. 2 l (Original) The apparatus of claim 1, wherein the controller adds a destination 6. 2 address of a stimulus telephone into the one or more packets. 7. (Original) The apparatus of claim 1, wherein the stimulus control information is according to a first stimulus language, and wherein the stimulus control information remains in the first stimulus language after encapsulation.

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- 8. (Original) The apparatus of claim 1, wherein the controller encapsulates the stimulus control information without translating the stimulus control information into a different form.
- 9. (Original) The apparatus of claim 8, wherein the controller encapsulates the stimulus control information by adding header information according to a network protocol.
- 1 10. (Original) The apparatus of claim 9, wherein the network protocol header 2 information includes an Internet Protocol header.
- 1 11. (Original) The apparatus of claim 9, wherein the controller adds further header information according to a transport protocol.
- 1 12. (Original) The apparatus of claim 11, wherein the further header information 2 includes a User Datagram Protocol header.
- 1 13. (Original) The apparatus of claim 1, wherein the controller also scrambles the stimulus message before encapsulation.
- 1 14. (Original) The apparatus of claim 1, wherein the controller encrypts the one or 2 more packets.
- 1 15. (Original) The apparatus of claim 1, further comprising a receiver to receive the one or more packets, the receiver including an element to decapsulate the one or more packets to extract the stimulus control information.
- 1 16. (Original) The apparatus of claim 15, wherein the receiver is associated with a second stimulus device, and wherein the extracted stimulus control information is in a native stimulus language of the second stimulus device.

- (Currently Amended) The apparatus of claim 1, wherein the stimulus control 1 17. 2 information includes at least one of hook state information, display information, and key press 3 event information.
- 1 (Original) The apparatus of claim 1, wherein the stimulus control information 18. includes a command selected from the group consisting of a handset volume control command, a 2 handset connect/disconnect command, an audio stream open/close command, and a ringer 3 4 activation command.
  - 19. (Cancelled)

- 1 (Original) A method for use in a telephony system, comprising: 20. 2 communicating stimulus control information with a stimulus device through a 3 first interface and packet information with a packet-based network through a packet interface; 4 encapsulating stimulus control information received from the first interface; and 5 transmitting the encapsulated stimulus control information as at least one packet 6 to the packet interface.
- 1 (Previously Amended) The method of claim 20, further comprising: 21. 2 decapsulating one or more packets received from the packet interface and 3 containing stimulus control information; and 4 transmitting the stimulus control information of the decapsulated one or more 5 packets to the first interface.
- 1 (Original) The method of claim 20, wherein the stimulus control information is in 22. 2 a native stimulus language, and wherein encapsulating the stimulus control information includes inserting the stimulus control information in its native stimulus language into a payload of the at 3 4 least one packet.

1	23.	(Original) The method of claim 22, wherein encapsulating the stimulus control
2	2 information includes adding a network protocol header to the stimulus control information	
1	24.	(Original) The method of claim 23, wherein encapsulating the stimulus control
2	information	includes adding an Internet Protocol header.
1	25.	(Original) The method of claim 24, wherein encapsulating the stimulus control
2	information further includes adding a User Datagram Protocol header.	
1	26.	(Original) The method of claim 20, further comprising scrambling the stimulus
2	control information before encapsulating.	
l	27.	(Original) The method of claim 20, further comprising encrypting the at least one
2	packet.	one at least one
1	28.	(Original) An article including one or more machine-readable storage media
2	containing instructions for call control in a telephony system, the instructions when executed	
3	causing a device to:	
4		receive data according to a stimulus protocol from a first interface;
5		encapsulate the data into one or more packets; and
6		communicate the one or more packets to a packet-based data network.
1	29.	(Original) The article of claim 28, wherein the one or more storage media contain
2	instructions that when executed causes the device to:	
3		receive a packet containing data according to the stimulus protocol;
4		decapsulate the packet; and
5		communicate the data according to the stimulus protocol to the first interface.

1	30.	(Original) A data signal embodied in a carrier wave and containing instructions
2	for call control in a telephony system, the instructions when executed causing a device to:	
3		receive at least one packet containing a stimulus message according to a first
4	language;	b and the second
5		decapsulate the at least one packet to extract the stimulus message according to
6	the first language; and	
7		send the stimulus message according to the first language to a stimulus device.
1.	31.	(Original) The data signal of claim 30, further containing instructions that when
2	executed causes a device to:	
3		receive a stimulus message according to the first language from the stimulus
4	device; and	
5		encapsulate the stimulus message according to a first language into at least one
6	packet	
1	32.	(Cancelled)
1	33.	(Cancelled)

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- 1 34. (Original) An apparatus for use in a telephony system, comprising:
  2 means for receiving a stimulus message from a stimulus device;
  3 means for encapsulating the stimulus message into at least one packet; and
  4 means for transmitting the at least one packet to a packet-based network.
- 1 35. (Previously Presented) The apparatus of claim I, further comprising an interface card adapted to be inserted into a slot of the stimulus device, the interface card comprising the digital interface, the packet interface, and the controller.
  - 36. (Previously Presented) The apparatus of claim 1, wherein the digital interface is adapted to exchange the stimulus control information with the stimulus device.
  - 37. (Previously Presented) The apparatus of claim 1, wherein the stimulus control information contains a command according to a stimulus protocol selected from the group consisting of off-hook, on-hook, handset volume control, handset connect, and handset disconnect.
    - 38. (Previously Presented) The apparatus of claim 1, further comprising a receiver to receive one or more inbound packets containing inbound stimulus control information, the controller to decapsulate the one or more inbound packets to extract the inbound stimulus control information.
- 39. (Previously Presented) The apparatus of claim 38, wherein each of the one or more inbound packets contains a User Datagram Protocol (UDP) port number, the controller to determine from the UDP port number whether the corresponding inbound packet contains voice data or stimulus control information.

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- 40. (Previously Presented) The method of claim 20, further comprising providing an interface card to be inserted into a slot of the stimulus device, the interface card having the first interface and the packet interface,
- wherein encapsulating the stimulus control information and transmitting the encapsulated stimulus control information and transmitting the encapsulated stimulus control information is performed by the interface card.
- 41. (Previously Presented) The method of claim 20, wherein encapsulating the stimulus control information comprises encapsulating a command according to a stimulus protocol selected from the group consisting of off-hook, on-hook, handset volume control, handset connect, and handset disconnect.
  - 42. (Previously Presented) The method of claim 21, wherein each of the received one or more packets contains a User Datagram Protocol (UDP) port number, the method further comprising determining from the UDP port number whether the corresponding received packet contains voice data or stimulus control information.
- 43. (Previously Presented) The article of claim 28, wherein encapsulating the data according to the stimulus protocol comprises encapsulating one of an off-hook stimulus command, on-hook stimulus command, handset volume control stimulus command, handset connect stimulus command, and handset disconnect stimulus command.
- 1 44. (Previously Presented) The data signal of claim 30, wherein receiving the at least 2 one packet containing the stimulus message comprises receiving the at least one packet 3 containing stimulus message containing at least a command selected from the group consisting 4 of off-hook, on-hook, handset volume control, handset connect, and handset disconnect.

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- 45. (Previously Presented) The apparatus of claim 34, wherein, the stimulus message contains at least a command selected from the group consisting of off-hook, on-hook, handset volume control, handset connect, and handset disconnect.
- 1 46. (Previously Presented) The apparatus of claim 34, further comprising:
  2 means for decapsulating the at least one packet received from the packet-based
  3 network and containing the stimulus message.
- 1 47. (Previously Presented) The apparatus of claim 34, further comprising means for encrypting the at least one packet.
- 1 48. (Previously Presented) The apparatus of claim 34, further comprising means for scrambling the stimulus message before encapsulating.